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AMENDMENTS TO THE CLAIMS:

 (Currently Amended) A method for packaging a fiber optics device comprising the steps of:

- (a) preparing a fiber optics sub-assembly with a specific function that has at least first and second fibers a fiber extending respectively from [[both]] first and second ends of said fiber optics sub-assembly, said fiber optics sub-assembly including at least one optics component which is not a fiber;
- (b) inserting [[a]] <u>said</u> first end of said sub-assembly into a housing cap and then permeating a scalant into a narrow gap between said housing cap and said subassembly to achieve their tight bonding and air-tightness;
- (c) reserving a first section of said <u>second</u> fiber outside [[a]] <u>said</u> second end of said sub-assembly;
- (d) stripping a protective coating of a second section of said <u>second</u> fiber after said first section of said <u>second</u> fiber;
- (e) inserting said second fiber said second end of said sub-assembly into a hole of a sleeve whose aperture only allows said second fiber to pass through so that said second section of said second fiber is surrounded entirely by said sleeve, and then permeating a sealant into a narrow gap between said second section of said second fiber and said sleeve hole to achieve their tight bonding and air-tightness; and
- (f) surrounding said housing cap and said sleeve with a housing tube and then

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permeating a scalant into narrow gaps between said housing tube and said housing cap, and between said housing tube and said sleeve to achieve their tight bonding and air-tightness;

wherein said first section of said second fiber is surrounded by a free space to allow said first section to expand or bend freely within said fiber optics device.

- 2. (Currently Amended) The method for packaging a fiber optics device according to claim 1, wherein said second section of said <u>second</u> fiber has a length shorter than that of said sleeve so that said second section of said <u>second</u> fiber is surrounded entirely by said sleeve.
- 3. (Original) The method for packaging a fiber optics device according to claim 1, wherein joins between said housing tube and said housing cap, and between said housing tube and said sleeve are achieved by a tin soldering process.
- 4. (Original) The method for packaging a fiber optics device according to claim 1, wherein joins between said bousing tube and said housing cap, and between said housing tube and said sleeve are achieved by a laser welding process.
- (Currently Amended) The method for packaging a fiber optics device according to claim 1, wherein said sleeve and said second section of said <u>second</u> fiber are joined by a tin soldering process.
- (Currently Amended) The method for packaging a fiber optics device according to claim 1, wherein said sleeve and said second section of said <u>second</u> fiber are joined by a glass soldering process.

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- (Original) The method for packaging a fiber optics device according to claim 1, wherein said sealant is epoxy resin.
- 8. (Original) The method for packaging a fiber optics device according to claim 1, wherein differences in terms of thermal expansion coefficients between said housing tube and the fiber optics sub-assembly are less then 30x10⁻⁶/°C.
- 9. (Currently Amended) The method for packaging a fiber optics device according to claim 1, wherein a section of said fiber optics sub-assembly joining said housing cap is made of a material that is completely moisture-proof, said material being a metal or ceramic.
- 10. (Currently Amended) The method for packaging a fiber optics device according to claim 1, wherein said housing cap and said sleeve are made of a material that is completely moisture-proof, said material being a metal or ceramic.
- 11. (Currently Amended) A packaging structure for a fiber optics device comprising:
 - a fiber optics sub-assembly having at least <u>first and second fibers</u> a fiber extending <u>respectively</u> from [[both]] <u>first and second</u> ends of said fiber optics sub-assembly, and an optics component which is not a fiber;
 - a housing cap surrounding [[a]] said first end of said fiber optics sub-assembly;
 - a first section of said <u>second</u> fiber extending out of [[a]] <u>said</u> second end of said fiber optics sub-assembly being reserved, and a second section of said <u>second</u> fiber behind said first section of said <u>second</u> fiber being stripped of protecting coating;
 - a sleeve surrounding said second fiber extending out of said second end of said fiber

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optics sub-assembly with a center hole whose aperture allows only said second fiber

to pass through, and covering said second section of said second fiber entirely; and

a housing tube surrounding said housing cap and said sleeve;

wherein said first section of said second fiber is surrounded by a free space to allow

said first section to expand or bend freely within said packaging structure.

12. (Currently Amended) A packaging structure for a fiber optics device comprising:

a fiber optics sub-assembly having at least a fiber two fibers each respectively

extending from one of two [[both]] ends of said fiber optics sub-assembly, and an

optics component which is not a fiber;

a first section of each of said [[fiber]] two fibers extending out of said [[both]] two

ends of said sub-assembly being reserved, and a second section of each of said

[[fiber]] two fibers behind said first section of said fiber being stripped of protecting

coating;

two sleeves respectively surrounding said [[fiber]] two fibers extending out of said

two [[both]] ends of said sub-assembly respectively, each with a center hole whose

aperture allows only a respective fiber of said [[fiber]] two fibers to pass through, and

covering said second section of said respective fiber entirely; and

a housing tube surrounding said sleeves;

wherein said first section of each of said two fibers is surrounded by a free space to

allow said first section to expand or bend freely within said packaging structure.

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13. (Currently Amended) A packaging structure for a fiber optics device comprising:

a fiber optics sub-assembly having a first end sealed and packaged, and-having at

least a fiber extending from a second end of said fiber optics sub-assembly, and an

optics component which is not a fiber;

a first section of said fiber extending out of said second end of said fiber optics sub-

assembly being reserved, and a second section of said fiber behind said first section

of said fiber being stripped of protecting coating;

a sleeve surrounding said fiber extending out of said second end of said fiber optics

sub-assembly with a center hole whose aperture allows only said fiber to pass

through, and covering said second section of said fiber entirely; and

a housing tube surrounding said first end of said fiber optics sub-assembly and said

sleeve;

wherein said first section of said fiber is surrounded by a free space to allow said first

section to expand or bend freely within said packaging structure.